

4.3.5 Custer County

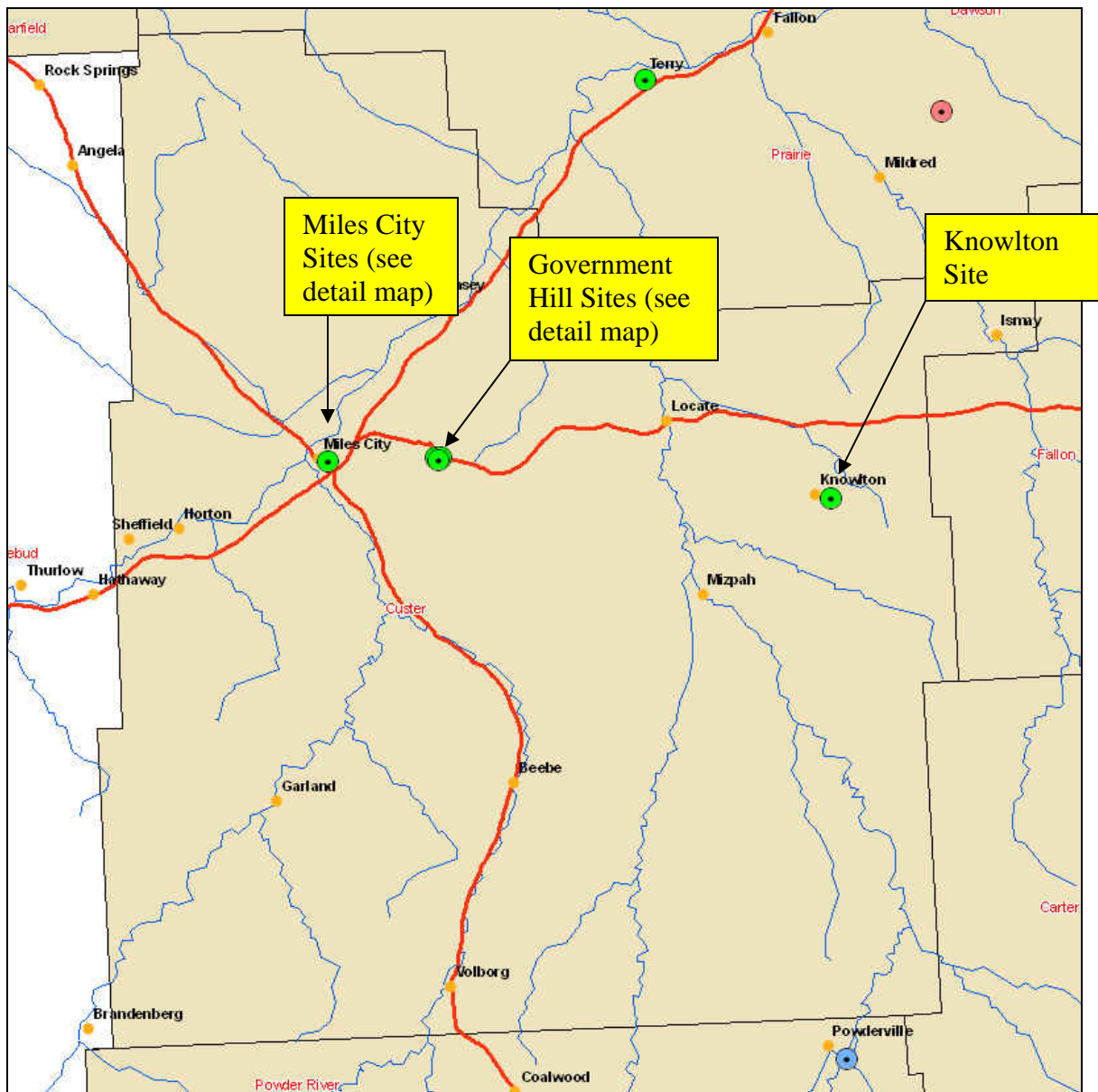


Figure 43 – Custer County Antenna Sites

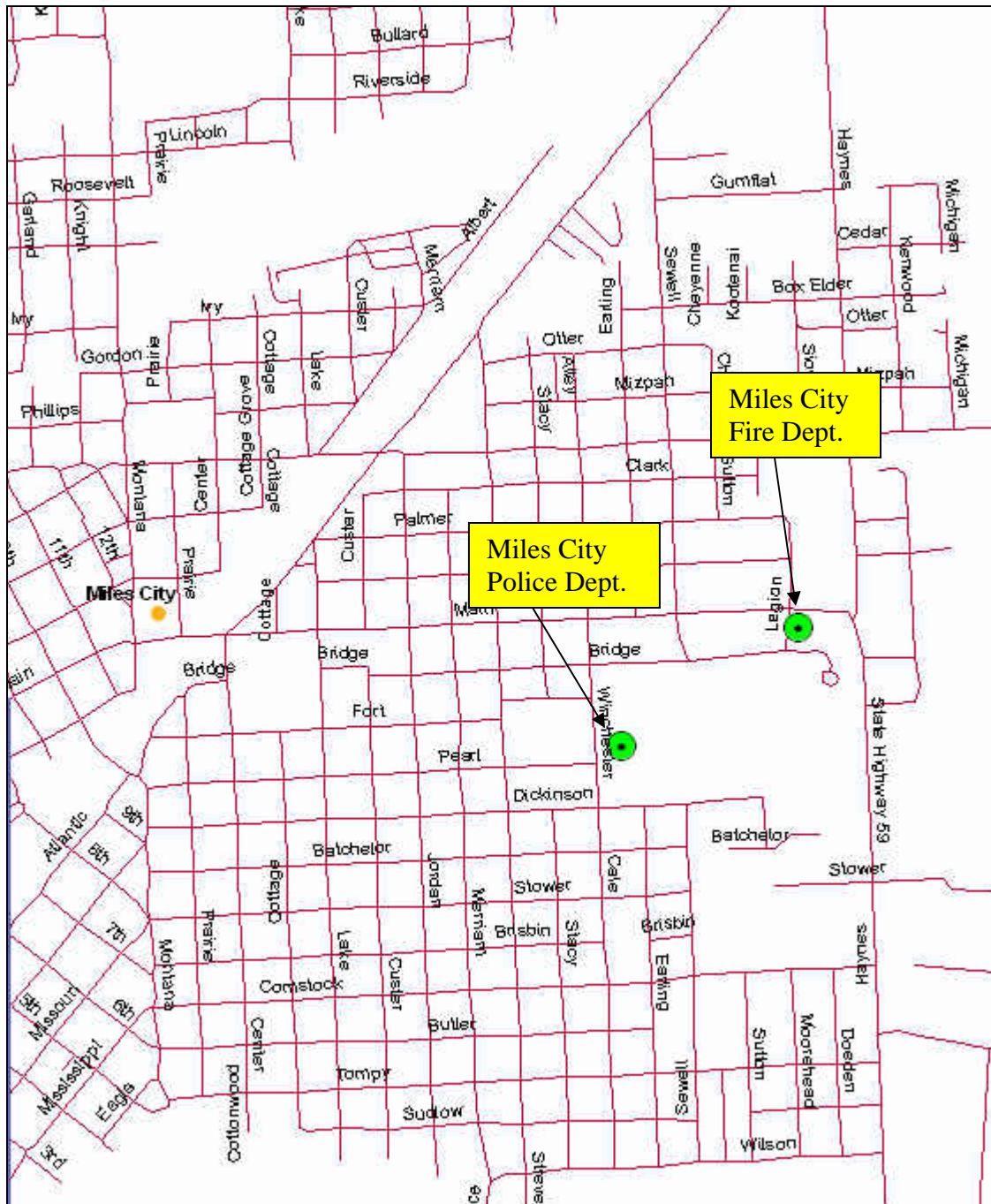


Figure 44 – Detail Of Miles City Antenna Sites

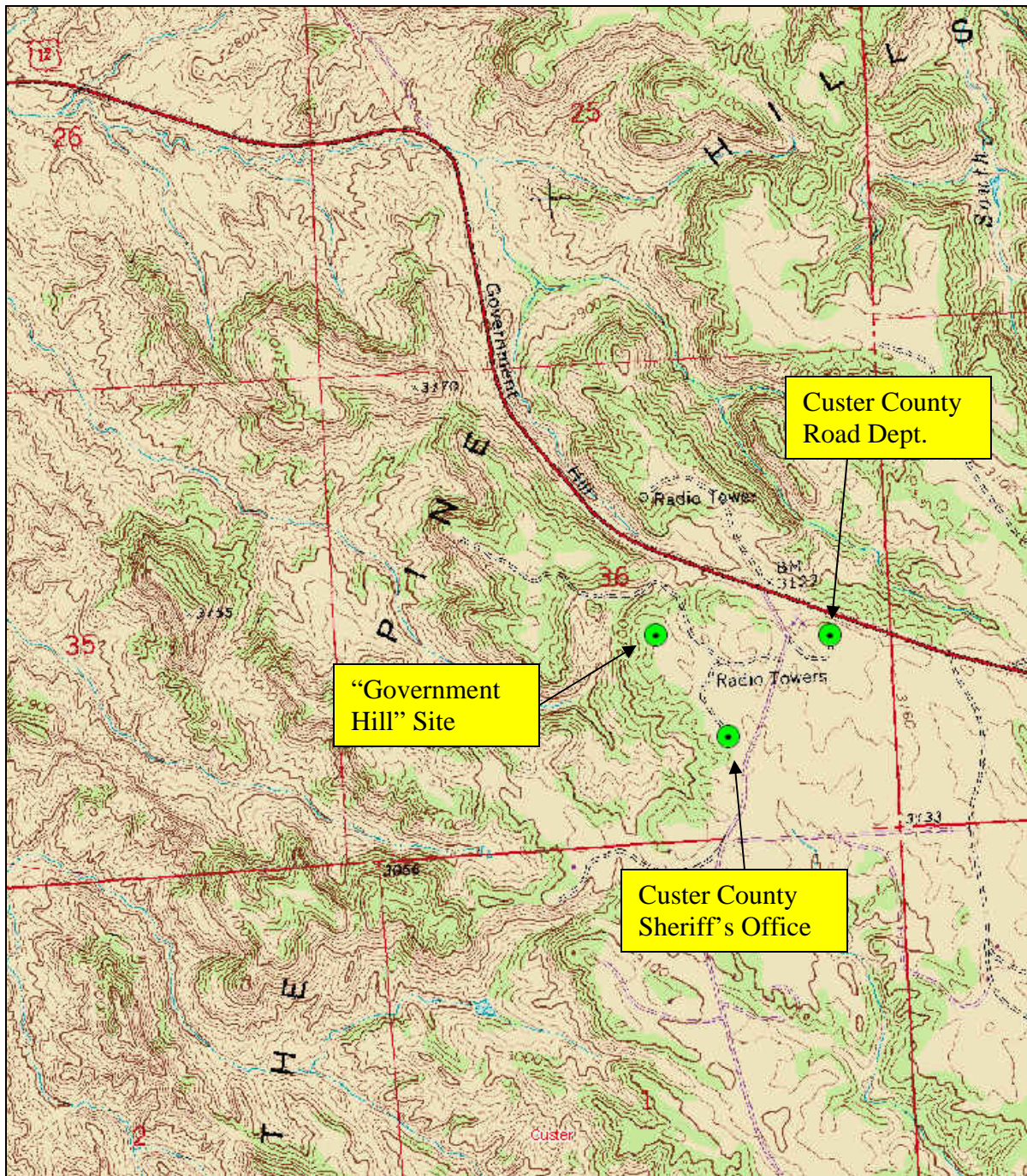


Figure 45 – Detail Of Government Hill Antenna Sites

Site Name: Custer County Road



Area: Miles City, MT
Location: Government Hill, East of Miles City
Land Owner: State of Montana
Ground Elevation: 3297'
Latitude: N46 24' 13.9"
Longitude: W105 39' 23.6"
Status: In Use
Rent: None
Tower Height: 49'
Building Type: Block - Concrete
Building Size: 8x10



Approximate Space Used (%): 10

Primary Power: AC

Backup Power: None

Telephone Available? No

Tower Users: Custer County Road Dept.

Is Combiner Used And Describe: No

General Comments:

Survey Completed By: East-Mont

Completed Date: Jun-05

Tower Manufacturer: ROHN

Tower Model: 256

Tower Owner: Custer County Road

Age (Years):

Tower Type: Guyed

Fall Protection: None

Climbing Device: Tower Rungs - Steel Bars

Of Guy Wires: 6

Of Legs: 3

Leg Spacing: 12"

Grounding System:

Other Towers Nearby?

Access In Summer:

Access In Winter: 4-wheel Drive

Criticality:

Meets FCC OET 65?

Meets Antenna Loading?

Microwave In Use? No

Describe:

Microwave Capable? Yes

Describe:

Radio 1: King P25 Repeater

Antenna Type: 5db Fiberglass Vertical

Antenna Height: 49'

Frequencies In Use:

User Agency: Custer County Road

Filter, Duplexer, Etc.: Duplexer

P25? Yes

Other:

Site Name: Custer County Sheriff



Area: Miles City, MT

Location: Government Hill, East of Miles City

Land Owner: State of Montana

Ground Elevation: 3182'

Latitude: N46 24' 04.1"

Longitude: W105 39' 39.4"

Status: In Use

Rent: None

Tower Height: 160'

Building Type: Wood - Steel Siding

Building Size: 11x8



Approximate Space Used (%): 20
Primary Power: AC
Backup Power: Generator - Not Working
Telephone Available? No
Tower Users: Custer County Sheriff's Office, Simplot
Is Combiner Used And Describe:
General Comments:
Survey Completed By: East-Mont
Completed Date: Jun-05
Tower Manufacturer:
Tower Model:
Tower Owner:
Age (Years):
Tower Type: Guyed
Fall Protection: None
Climbing Device: Tower Rungs - Steel Bars
Of Guy Wires: 12
Of Legs: 3
Leg Spacing: 20"
Grounding System:
Other Towers Nearby?
Access In Summer:
Access In Winter: 4-wheel Drive
Criticality:
Meets FCC OET 65?
Meets Antenna Loading?
Microwave In Use? No
Describe:
Microwave Capable? Yes
Describe:

Radio 1: GE MASTRII Repeater w/ UHF Link
Antenna Type: Folded Dipole Array
Antenna Height: 160' YAGI 81'
Frequencies In Use:
User Agency: Custer County Sheriff's Office
Filter, Duplexer, Etc.: Duplexer (VHF & UHF)
P25? No
Other:

Radio 2: Kenwood Remote Base
Antenna Type: 5db Fiberglass Vertical
Antenna Height: 111' & YAGI UHF 69'
Frequencies In Use:



User Agency: Simplot
Filter, Duplexer, Etc.: None
P25? Unknown
Other:

Site Name: Government Hill



Area: Miles City, MT

Location: Government Hill, East of Miles City

Land Owner: State of Montana

Ground Elevation: 3231'

Latitude: N46 24' 14.7"

Longitude: W105 39' 49.3"

Status: In Use

Rent:

Tower Height: 180'

Building Type: Rohn Pre-Fab Shelter

Building Size: 12x12



Approximate Space Used (%): 75

Primary Power: AC

Backup Power: Generator

Telephone Available? Yes

Tower Users: BLM, MHP, MDOT, MT State Lands, NWS-NOAA, Miles City Fire, Ambulance, Hospital, DNRC

Is Combiner Used And Describe: Yes. Telewave - Fed use

General Comments:

Survey Completed By: East-Mont

Completed Date: Jun-05

Tower Manufacturer: ROHN

Tower Model: SSV

Tower Owner:

Age (Years): 4

Tower Type: Free Standing

Fall Protection:

Climbing Device: Step Bolts

Of Guy Wires: 0

Of Legs: 3

Leg Spacing:

Grounding System:

Other Towers Nearby?

Access In Summer:

Access In Winter: 4-wheel Drive

Criticality:

Meets FCC OET 65?

Meets Antenna Loading?

Microwave In Use? Yes

Describe:

Microwave Capable?

Describe:

Radio 1: Motorola Base

Antenna Type: 5db Fiberglass Stck Vertical

Antenna Height: 180'

Frequencies In Use: 154.445

User Agency: Miles City Fire Dept.

Filter, Duplexer, Etc.: Bandpass Filter

P25? No

Other:

Radio 2: Motorola Base

Antenna Type: 5db Fiberglass Vertical

Antenna Height: 51'



Frequencies In Use: 155.280 155.385
User Agency: Miles City Hospital & Ambulance
Filter, Duplexer, Etc.: None
P25? No
Other:

Radio 3: Fire & Ambulance - Hospital Links
Antenna Type: YAGIS (2)
Antenna Height: 58' & 62'
Frequencies In Use:
User Agency: MCFD - Ambulance & Hospital
Filter, Duplexer, Etc.:
P25? Unknown
Other:

Radio 4: DOT Base Station
Antenna Type: Fiberglass
Antenna Height: 160'
Frequencies In Use:
User Agency: MT DOT
Filter, Duplexer, Etc.:
P25? Unknown
Other:

Radio 5: DOT Relay Station Link
Antenna Type: Fiberglass Vertical
Antenna Height: 160'
Frequencies In Use:
User Agency: MT DOT
Filter, Duplexer, Etc.:
P25? Unknown
Other:

Radio 6: DOT Relay Station Link
Antenna Type: Fiberglass Vertical
Antenna Height: 132'
Frequencies In Use:
User Agency: MT DOT
Filter, Duplexer, Etc.:
P25? Unknown
Other:

Radio 7: DOT Microwave
Antenna Type: Dish



Antenna Height: 69'
Frequencies In Use: 960 MHz
User Agency: MT DOT
Filter, Duplexer, Etc.:
P25? Unknown
Other:

Radio 8: DNRC Repeater
Antenna Type: Fiberglass Vertical
Antenna Height: 76'
Frequencies In Use:
User Agency: DNRC
Filter, Duplexer, Etc.: Duplexer
P25? Unknown
Other:

Radio 9: MHP Repeater
Antenna Type: Fiberglass Vertical
Antenna Height: 79'
Frequencies In Use:
User Agency: MHP
Filter, Duplexer, Etc.:
P25? Unknown
Other:

Radio 10: DNRC Links
Antenna Type: YAGIS
Antenna Height: 45' & 47'
Frequencies In Use:
User Agency: DNRC
Filter, Duplexer, Etc.:
P25? Unknown
Other:

Radio 11: Broadcast WX Transmitter
Antenna Type: Fiberglass Vertical
Antenna Height: 108'
Frequencies In Use: 162.400 MHz
User Agency: NWS - NOAA Weather
Filter, Duplexer, Etc.:
P25? Unknown
Other:



Radio 12: BLM

Antenna Type: Fiberglass Vertical

Antenna Height: 160'

Frequencies In Use:

User Agency: Federal Transmit

Filter, Duplexer, Etc.: Combiner

P25? Unknown

Other:

Radio 13: BLM

Antenna Type: Fiberglass Vertical

Antenna Height: 111'

Frequencies In Use:

User Agency: Federal Receive

Filter, Duplexer, Etc.:

P25? Unknown

Other:

Site Name: Knowlton



Area: Knowlton

Location: Between Miles City & Baker

Land Owner: Cecil Brown Ranch Company

Ground Elevation: 3301'

Latitude: N46 20' 20.3"

Longitude: W105 03' 45.3"

Status: In Use

Rent: None

Tower Height: 55'

Building Type: Block - Concrete

Building Size: 12x12

Approximate Space Used (%):10

Primary Power: AC

Backup Power: None

Telephone Available? No

Tower Users: Custer Co. Sheriff's Office, Custer County Road, Tongue River Electric

Is Combiner Used And Describe: No

General Comments:



Survey Completed By: East-Mont
Completed Date: Jun-05
Tower Manufacturer: ROHN
Tower Model: 256
Tower Owner: Custer County
Age (Years):
Tower Type: Guyed
Fall Protection: None
Climbing Device: Tower Rungs - Steel Bars
Of Guy Wires:
Of Legs:
Leg Spacing:
Grounding System:
Other Towers Nearby?
Access In Summer:
Access In Winter: 4-wheel Drive
Criticality:
Meets FCC OET 65?
Meets Antenna Loading?
Microwave In Use? No
Describe:
Microwave Capable? Yes
Describe:

Radio 1: Kenwood TRK-720 Repeater
Antenna Type: Directional Array
Antenna Height: 40'
Frequencies In Use:
User Agency: Custer Co. Sheriff's Office
Filter, Duplexer, Etc.: Internal Duplexer VHF
P25? No
Other:

Radio 2: UHF Link - Kenwood TKR-820
Antenna Type: YAGI
Antenna Height: 20'
Frequencies In Use:
User Agency: Custer Co. Sheriff
Filter, Duplexer, Etc.: Duplexer UHF
P25? Unknown
Other:

Radio 3: GE MASTRII Repeater
Antenna Type: 5db Fiberglass Vertical



Antenna Height: 55'

Frequencies In Use:

User Agency: Tongue River Electric

Filter, Duplexer, Etc.: Internal Duplexer

P25? Unknown

Other:

Radio 4: GE MASTRII Repeater

Antenna Type: 5db Fiberglass Vertical

Antenna Height: 55'

Frequencies In Use:

User Agency: Custer County Road

Filter, Duplexer, Etc.: Internal Duplexer

P25? No

Other:

Site Name: Miles City Fire Dept.



Area: Miles City, MT

Location: 2800 Main St., Miles City, MT

Land Owner: City of Miles City

Ground Elevation: 2360'

Latitude: N46 24' 28.5"

Longitude: W105 49' 27.7"

Status: In Use

Rent:

Tower Height: 45'

Building Type: Metal

Building Size:

Approximate Space Used (%):

Primary Power: 120/240 single phase

Backup Power:

Telephone Available? Yes

Tower Users: Miles City Fire Dept.

Is Combiner Used And Describe: No

General Comments:

Survey Completed By:

Completed Date:

Tower Manufacturer:

Tower Model:



Tower Owner:
Age (Years):
Tower Type:
Fall Protection:
Climbing Device:
Of Guy Wires:
Of Legs:
Leg Spacing:
Grounding System:
Other Towers Nearby?
Access In Summer:
Access In Winter:
Criticality:
Meets FCC OET 65?
Meets Antenna Loading?
Microwave In Use?
Describe:
Microwave Capable?
Describe:

Radio 1: Base
Antenna Type: PD 220
Antenna Height: 45-67'
Frequencies In Use: 154.445, 158.775, 155.895
User Agency: Miles City Fire Dept.
Filter, Duplexer, Etc.: None
P25? No
Other:

Radio 2: UHF Link
Antenna Type: Yagi
Antenna Height: 40'
Frequencies In Use: TX - 458.0625, RX - 453.0625
User Agency: Miles City Fire Dept.
Filter, Duplexer, Etc.: None
P25? Unknown
Other:



Site Name: Miles City Police Dept.

No Picture

Area: Miles City

Location: VA Medical Center, Top Floor

Land Owner: VA

Ground Elevation: 2390'

Latitude: N46 24' 21.1"

Longitude: W105 49' 46.7"

Status: In Use

Rent: 0

Tower Height: 69'

Building Type: Top Floor Of Building

Building Size:

Approximate Space Used (%):10

Primary Power: AC

Backup Power: Generator

Telephone Available? Yes

Tower Users: Miles City PD

Is Combiner Used And Describe: No

General Comments:

Survey Completed By: East-Mont

Completed Date: Jun-05

Tower Manufacturer:

Tower Model:

Tower Owner:

Age (Years):

Tower Type: On Building

Fall Protection: None

Climbing Device: Ladder

Of Guy Wires:

Of Legs:

Leg Spacing:

Grounding System:

Other Towers Nearby?

Access In Summer:

Access In Winter:

Criticality:

Meets FCC OET 65?

Meets Antenna Loading?

Microwave In Use? No

Describe:

Microwave Capable? Yes



Describe:

Radio 1: Kenwood TKR-750 Repeater

Antenna Type: 3db vertical

Antenna Height: 69'

Frequencies In Use: 155.190, 155.670

User Agency: Miles City PD

Filter, Duplexer, Etc.: Duplexer

P25? No

Other: